Game Changing Development

Green Propellant Thruster Technology Qualification (ACO: ATK)

Completed Technology Project (2015 - 2017)

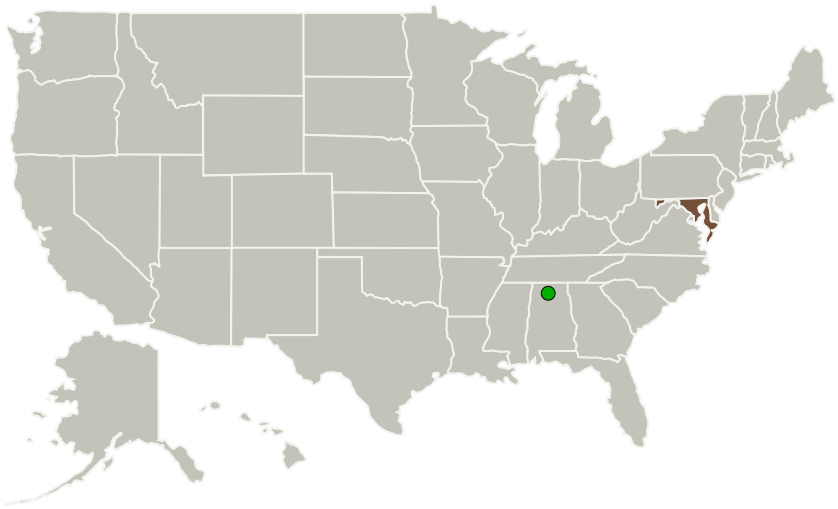
Project Introduction

Increasing the range of green prop thrust levels to 445N increases the catalog of commercial thrusters available to s/c designers

Anticipated Benefits

AIRS technology is the best energy storage option for high-power and long-duration applications.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
Orbital ATK Space Systems Group	Lead Organization	Industry	Dulles, Virginia
Marshall Space Flight Center(MSFC)	Supporting Organization	NASA Center	Huntsville, Alabama

Primary U.S. Work Locations
Maryland

Green Propellant Thruster Technology Qualification

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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Organization:

Orbital ATK Space Systems Group

Responsible Program:

Game Changing Development

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Project Transitions

November 2015: Project Start

December 2017: Closed out

Project Management

Program Director:

Mary J Werkheiser

Program Manager:

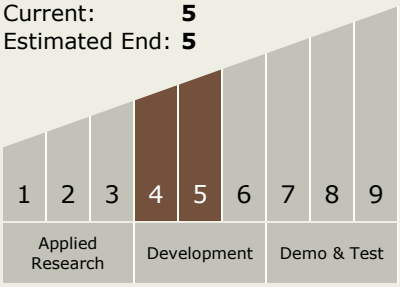
Gary F Meyering

Principal Investigators:

Daniel P Cavender
Kevin W Pedersen

Technology Maturity (TRL)

Start: **4**
Current: **5**
Estimated End: **5**



Target Destination

Foundational Knowledge